

Comparisons of Job Characteristics

Focus Occupation: [Cardiovascular Technologists and Technicians \(29-2031\)](#)

Associated Occupation: [Medical and Clinical Laboratory Technologists \(29-2011\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Biology	3.7	16.7	9.9	<< Extensive education and/or training may be required
Chemistry	4.8	11.9	7.6	<< Extensive education and/or training may be required
Medicine and Dentistry	3.7	10.1	17.4	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Science	4.5	10.9	10.6	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	14.0	11.4	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	11.7	9.2	<	Some improvement in abilities may be required
Category Flexibility	9.0	11.2	8.8	<	Some improvement in abilities may be required
Finger Dexterity	7.6	10.9	8.9	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	9.8	6.7	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	9.3	9.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Work Activities	Exclusivity of Activity
Analyze medical data	57
Communicate technical information	4
Follow infectious materials procedures	52
Understand technical operating, service or repair manuals	6
Use clinical sterilizing technique	71
Use hazardous materials information	35
Use knowledge of medical terminology	40
Use quality assurance techniques	61
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 49

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)

Associated Occupation: Medical and Clinical Laboratory Technologists (29-2011)

Tools and Technologies	Exclusivity
Autoclave and sterilizer equipment and accessories	12
Business function specific software	1
Clinical and diagnostic analyzers and accessories and supplies	18

Computer printers	2
Computers	1
Data management and query software	1
Diagnostic assessment and exam products for general use	21
Industry specific software	1
Injection and aspiration needles and accessories	25
Laboratory centrifuges and accessories	13
Light and wave generating and measuring equipment	4
Patient point of care testing supplies and equipment	23
Specimen collection and transport containers and supplies	14
Surgical support supplies	33
Syringes and accessories	14
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.